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Darin E. Bartholomew, Reg. No. 36,444

Name of applicant, assignee or  
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Signature

June 5, 2001

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5-18-01

Our Case No. 10932/159/00CXT0667N

### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s):

Yang Gao et al.

Serial No.: 09/781,735

Filing Date: February 12, 2001

Title: SIGNAL PROCESSING SYSTEM  
FOR FILTERING SPECTRAL  
CONTENT OF A SIGNAL FOR  
SPEECH CODING

Examiner: Not Yet Determined

Group Art Unit No.: Not Yet Determined

### INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56, it is respectfully requested that this Information Disclosure Statement be entered and the documents listed below and on the attached Form PTO-1449 be considered by the Examiner and made of record. Copies of each reference are enclosed for the convenience of the examiner.

The references now cited are the following:

### U.S. PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	NAME
4,969,192	11/6/90	Chen et al.
5,293,449	3/8/94	Tzeng
5,233,660	8/3/93	Chen
5,307,441	4/26/94	Tzeng
5,323,486	6/21/94	Taniguchi et al.
5,396,576	3/7/95	Miki et al.
5,451,951	9/19/95	Elliott
5,615,298	3/25/97	Chen
5,657,420	8/12/97	Jacobs et al.
5,664,055	9/2/97	Kroon
5,682,404	10/28/97	Miller
5,734,789	3/31/98	Swaminathan et al.
5,778,335	7/7/98	Ubale et al.
5,778,338	7/7/98	Jacobs et al.
5,826,226	10/20/98	Ozawa
5,884,010	3/16/99	Chen et al.
5,899,968	5/4/99	Navarro et al.
5,995,539	11/30/99	Miller
6,073,092	6/6/00	Kwon

### OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.)

W. Bastiaan Kleijn et al., "The RCELP Speech-Coding Algorithm"; Vol. 5, No. 5, 1994; pp. 39/573 - 47/581
C. Laflamme et al.; "On Reducing Computational Complexity of Codebook Search in CELP Coder Through the Use of Algebraic Codes"; 1990 IEEE; pp. 177-180
Erdal Paksoy et al. "A Variable-Rate Multimodal Speech Coder with Gain-Matched Analysis-By-Synthesis"; IEEE, 1997, pp.751-754
"Draft Recommendation G.729, Coding of Speech at 8 kbit/s Using Conjugate-Structure Algebraic-Code-Excited Linear-Predictive (CS-ACELP) Coding"; International Telecommunication Union Telecommunications Standardization Sector, June 1995, pp. i-iv and 1-42
"Digital Cellular Telecommunications System; Comfort Noise Aspects for Enhanced Full Rate (EFR) Speech Traffic Channels (GSM 06.62)" European Telecommunications Standards Institute Publication Reference DE/SMG-020662; May 1996; pp. 1-16
W. B. Kleijn et al., Speech Coding and Synthesis, 1995, pp. 81-113
Amitava Das et al., "Multimode and Variable-Rate Coding of Speech", Speech Coding and Synthesis Chapter 7, 1995, pp. 257-288
Tomohiko Taniguchi et al., "Structured Stochastic Codebook and Codebook Adaptation for CELP", Speech and Audio Coding for Wireless and Network Applications, Chapter 27, 1993, pp. 217-224

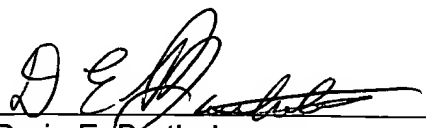
Ira A. Gerson et al., "Vector Sum Excited Linear Prediction (VSELP)"; Motorola Inc; Advances in Speech Coding, Chapter 7, 1991, pp. 69-79
J.P. Campbell, Jr. et al., "The DOD 4.8 KBPS Standard (Proposed Federal Standard 1016)", Advances in Speech Coding, Chapter 12, 1991, pp. 121-133
R.A. Salami, "Binary Pulse Excitation: A Novel Approach to Low Complexity CELP Coding", Advances in Speech Coding, Chapter 14, 1991, pp. 145-157
Chih-Chung Kuo et al., "Speech Classification Embedded in Adaptive Codebook Search for Low Bit-Rate CELP Coding, IEEE Transactions on Speech and Audio Processing, Vol. 3, No. 1, January 1995.

In accordance with 37 C.F.R. § 1.97(g),(h), this Information Disclosure Statement is not to be construed as a representation that a search has been made and is not to be construed to be an admission that the information cited is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b).

No fees are believed to be due in connection with filing of this Information Disclosure Statement. However, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to this material, the Commissioner is hereby authorized to deduct said fees from Brinks Hofer Gilson & Lione Deposit Account No. 23-1925.

Applicants respectfully request that the listed document be made of record in the present case.

Respectfully submitted,

  
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